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(71) Applicant (for all designated States except US): FMC
CORPORATION [US/US]; 1735 Market Street, Philade-
phia, PA 19103 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CHEN, Ruihua
[CN/US]; 16 Labrador Drive, Kendall Park, NJ 08824
(US). GILBEY, Susan, N. [US/US]; 152 Washington
Street, Camden, ME 04843 (US). WONG, Victoria,
Y. [US/US]; 5 Bush Lane, Enfield, CT 06082 (US).
HALLING, Blake [US/US]; 1384 Chase Road, Newtown,
PA 18940 (US). ALLENZA, Paul [US/US]; 16 Pleasant
View Way, Flemington, NJ 08822 (US).

(74) Agent: SHEEHAN, John, M.; FMC Corporation, 1735
Market Street, Philadelphia, PA 19103 (US).

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ning of each regular issue of the PCT Gazette.

(54) Title: HEMIPTERAN GLUTAMATE DECARBOXYLASE

(57) Abstract: Novel nucleic acid sequences encoding hemipteran L-glutamate decarboxylases, and the amino acid sequence of
such protein are disclosed. Methods of making and using the same are disclosed.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/08457

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12N 9/88, 1/20, 15/00; C07H 21/04; C07K 16/00; A61K 38/51
US CL : 435/232, 252.3 320.1; 536/23.2; 530/387.1; 424/94.5

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 435/232, 252.3 320.1; 536/23.2; 530/387.1; 424/94.5

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST, STN AND SEQUENCE DATA BASES FOR PROTEINS AND NUCLEIC ACIDS.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Data Base on Genbank, Jackson et al. 'Drosophila GABAergic systems: sequence and expression of glutamic acid decarboxylase.'; 1990, Accession No.P20228. J. Neurochem. 54:1068-1078, 1990. Accession No.P20228 is glutamate decarboxylase sequence from fruit fly, and is 73.8% identical to Applicants' SEQ ID NO: 2.	1, 3, 14
X	Data Base on Genbank, Jackson et al. 'Drosophila GABAergic systems: sequence and expression of glutamic acid decarboxylase.'; 1990, Accession No. A30999. J. Neurochem. 54:1068-1078, 1990. Accession No. A30999 is a glutamate decarboxylase sequence from fruit fly, and is 73.8% identical to Applicants' SEQ ID NO: 2.	1, 3, 14
X --- A	Data Base on Genbank, Jackson et al. 'Drosophila GABAergic systems: sequence and expression of glutamic acid decarboxylase.'; 1990, Accession No.X76198. J. Neurochem. 54:1068-1078, 1990. Accession No.X76198 is a nucleic acid sequence that encodes glutamate decarboxylase from fruit fly, and is 33-9% identical to Applicants' SEQ ID NO: 1.	4-6, 10 2, 7-9, 11-13, 15-25

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer.

Tekchand Saidha

Telephone No. (571) 272 1600